Index of Claims

| Appli | cation/ | Contro | l No. |
|-------|---------|--------|-------|
|-------|---------|--------|-------|

10/089,841

Examiner

Dwayne K. Handy

Applicant(s)/Patent under Reexamination

BRAKMANN ET AL.

Art Unit

1743

√ Rejected
= Allowed

- (Through numeral)
Cancelled
+ Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Claim                                       |  | Date   |  |               | Claim    |  |                  | Date          | •               |         |          | С        | laim       |                 |               |           | Dat   | e  |          |          |          |
|---|--|--|--|---------------|----------|--|------------------|---------------|-----------------|---------|----------|----------|------------|-----------------|---------------|-----------|---|--|----------|----------|----------|
|   | 6  |  |  |               | -        |  | П                |               |                 |         |          |          | <u>=</u>   |                 |               |           |   |  |          |          | ı        |
| Final<br>Original                           | 55   |  |  | E CI          | Original | 1 1  |                  |               |                 | 1       |          | Final    | Original   |                 |               |           |   |  |          |          | - 1      |
| <u>                                    </u> | ااما   | 1 1  |  | Œ             | :   j    | 1  |                  |               |                 |         |          | 诓        | ١١٤        |                 |               |           |   |  |          | - 1      | -        |
|   | 62   |  |  | <b>   </b>  _ |          |  | Ш                |               |                 | $\bot$  | _        |          | 1          |                 | _             | $\perp$   |   |  | $\perp$  | _        | _        |
| 1   | $\Box$   |  |  |               | 51       |  | Ш                | _ _           |                 | $\bot$  | _        |          | 101        |                 | _             | $\bot$    | ļ   |  | $\perp$  | _        | _        |
| 2   | $\sqcup \sqcup$  |  |  | <u> </u>      | 52       | <u> </u>   | $\sqcup$         |               |                 | 11      | _        |          | 102        | $\Box$          | _             | $\bot$    |   | Ш  | $\perp$  | _        | ᆚ        |
| 3   | $\sqcup \sqcup$  |  |  | <b>II</b> _   | 53       | <u> </u>   | $\sqcup$         |               |                 | 4-4     | _        |          | 103        |                 | _             | 4.        | -   | Ш  |          | 4        | _        |
| 4   |  |  |  | <u> </u>      | 54       | <del>    -</del>                                 | $\perp$          |               |                 | 4-4     | _        | ļ        | 104        | $\dashv$        | _             | 4         | -   |  | _        | 4        | 4        |
| 5   | +++  | $\bot$   |  | ⊪_            | 55       | $\perp \perp$                                    | Ш                |               | $\perp$         | $\perp$ |          | <u> </u> | 105        |                 | -             | _         | +   | Ш  |          | _        | 4        |
| 6   | $\square$  |  |  | ⊪_            | 56       | +  | 1                | +             | $\vdash$        | ++      |          | <u> </u> | 106        | $\square$       | _             | $\perp$   | +   | <u> </u>   | $\vdash$ | 4        | _        |
| 7   | +++  |  |  | ⊪_            | 57       | <del>                                     </del> | $\vdash$         |               |                 | +       | -        | <u> </u> | 107        |                 | -             |           | +   | ļ  | _        | 4        | _        |
| 8   | +++  |  |  | ::  <u> </u>  | 58       |  | H                | +             | $\vdash$        | +       |          | <u> </u> | 108        | $\sqcup$        | +             | +         | +   | ⊢  |          | $\dashv$ | _        |
| 9   |  |  | <del>  - </del>                                  | <u> </u>      | 59       |  | $\vdash$         |               | -               | ++      |          | <u> </u> | 109        | $\dashv$        |               |           |   | ┡  | -        | -        | _        |
| 10  | ┼-┼-   |  | <del>                                     </del> | ⊪–            | 60       |  | ┿                | +             | - 1             | +-+     |          | <u> </u> | 110        | $\dashv$        | +             | - -       | +   | $\vdash$   | $\dashv$ |          | 4        |
| 11  | <del>                                     </del>         |  | -  -  -  -  -  -                                 | ⊪–            | 61       | +-   | <del>     </del> |               | -               | +-+     | $\dashv$ | <u> </u> | 111        | $\vdash \vdash$ |               | +         | +   | -  | $\dashv$ |          | $\dashv$ |
| 12  | + + +  | ++-  |  | <b>⊪</b> —    | 62       | ++   | +                |               | $\vdash \vdash$ | ┵       | $\dashv$ |          | 112        | $\vdash \vdash$ | -             | +         | ╀   | $\vdash$   | $\dashv$ | -        | $\dashv$ |
| 13  | <del>      -   -</del>                                   | <del>- - - -</del>                               |  | ⊪–            | 63       | +-   | 1-1              |               | $\vdash \vdash$ | ++      |          | <u> </u> | 113        | $\vdash \vdash$ |               | +         | +   | $\vdash$   | $\dashv$ | -+       | ᅴ        |
| 14  | ++-  | +++  |  | -             | 64<br>65 | +  | 1                | +             |                 | +-+     |          | _        | 114<br>115 | $\mid - \mid$   |               | - -       | +   | -  |          |          |          |
| 15  | +++  | +++-   | <del>  -  </del>                                 | ⊪—            |          | <del> - -</del>                                  | 1                |               | $\vdash$        | +       |          | <u> </u> | 115        | $\dashv$        | +             | ╁         | -   | $\vdash$   | $\dashv$ | -+       |          |
| 16<br>17                                    |  | <del>                                     </del> | <del> - - </del>                                 | ⊪             | 66<br>67 | ++   | ++               | +             | $\vdash$        | ++      |          | $\vdash$ | 116<br>117 | $\dashv$        | $\dashv$      | +         | ╁   | $\vdash$   | $\dashv$ | $\dashv$ | ᅱ        |
| 18  | +  | ++-  | +  | ⊪⊢            | 68       | ++   | +                | +             | $\vdash$        | ++      |          | $\vdash$ | 117        | $\vdash \vdash$ | +             | +         | +   | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| 19  | ╫┼╌┼╴  | +++  | 1-1-1  | -             | 69       | + +  | +                | _             | +               | +       |          | $\vdash$ | 119        | $\vdash$        | +             | +         | +   |  | $\dashv$ | $\dashv$ | $\dashv$ |
| 20  | +  | <del>- - -</del>                                 | <del>   </del>                                   | :: —          | 70       | +  | +-+              |               |                 | +       |          |          | 120        | $\vdash$        | -+-           | ╬         | +-  | -  | -+       | -+       | -        |
| 21  | ╫┼┼  | +++  | + + + +  | <b>⊪</b> —    | 71       | +  | ╁┯╁              |               |                 | ╅       | -        |          | 121        | $\vdash$        | -             | +         | +   | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| 22  | ╫┼┼  | ++-  | <del>                                     </del> | ⊪—            | 72       | + +  | ++               | +             | -               | ++      |          | $\vdash$ | 122        | $\dashv$        | $\rightarrow$ | +         | +   | $\vdash$   | $\dashv$ | $\dashv$ | -        |
| 23  | ╫╌╌  | +++  |  | -             | 73       | <del>     </del>                                 | +                |               | $\vdash$        | ++      | $\dashv$ | ⊢        | 123        | Н               |               | +         | +   | ┢  | $\dashv$ | $\dashv$ |          |
| 24  | <del>                                      </del>        | <del>-   -   -</del>                             | <del>                                     </del> | ⊪–            | 74       | +  | +++              | +             | H               | ++      | -        | ├─       | 124        | -               | $\dashv$      | ┿         | +-  | -  | $\vdash$ | $\dashv$ | $\dashv$ |
| 25  | <del>  <b>   </b>                                 </del> | +++  | <del>                                     </del> | ⊪             | 75       | <del>                                     </del> | +                | _             | $\vdash$        | ++      |          |          | 125        | $\vdash$        | +             | +         | ╁╴  | $\vdash$   | -        | ┪        | 一        |
| 26  | ╫┼┼  | +++-   | <del>                                     </del> | ⊪ -           | 76       | +  | ╁┼               | _             | $\vdash$        | ++      | -        |          | 126        |                 | -             | ╁         | +   | ╁╌   |          | $\dashv$ | $\dashv$ |
| 27  | <del>   - -</del>  | +++  | <del>                                     </del> |               | 77       | +  | t                | +             | $\vdash$        | ++      | $\dashv$ | $\vdash$ | 127        | Н               | $\dashv$      | +         | +   | H  | $\dashv$ | $\dashv$ | $\dashv$ |
| 28  | ++++   | + + + +  | 1 1 1  |               | 78       | ++   | $\Box$           | $\top$        | $\vdash$        | +       |          | $\vdash$ | 128        | Н               | $\dashv$      | +         | +   | $\vdash$   | -        | -        | ᅥ        |
| 29  | +++  | <del></del>                                      | <del> - - -</del>                                |               | 79       | † †  | 11               | $\dashv$      | $\vdash$        | + +     | -        | $\vdash$ | 129        | Н               | +             | +         | +   | $\vdash$   | $\Box$   | -        | ᅥ        |
| 30  | <del>                                      </del>        | ++++   | <del>                                     </del> |               | 80       | tt   | 1 1              |               |                 | 1 1     | -        | $\vdash$ | 130        | H               | 1             | $\dagger$ | $\top$  |  | $\vdash$ | -        | $\dashv$ |
| 31  | 11 1   | 111  | <del>                                     </del> |               | 81       | 11   | 1 1              | $\neg$        |                 | + +     |          | $\vdash$ | 131        | Н               | $\neg$        | +         | $\top$  |  | $\vdash$ | $\dashv$ | ᅱ        |
| 32  | ╅  | ++   | <del>                                     </del> |               | 82       | 11   | $\Box$           |               |                 | +       | $\dashv$ | $\vdash$ | 132        | Н               | _             | $\top$    | +-  | $\vdash$   | $\vdash$ | 7        | $\dashv$ |
| 33  |  |  | 1-1-1-1  |               | 83       | 1  | 17               |               |                 | 1       | -        | _        | 133        |                 | 一             | _         | 1   | 一  | $\Box$   | $\dashv$ | ヿ゙       |
| 34  | <del>17      </del>                                      |  | 111  |               | 84       |  | 1 1              |               | $\vdash$        | ++      |          |          | 134        | Н               | $\dashv$      | 十         | $\top$  | T  | $\sqcap$ | $\dashv$ | $\dashv$ |
| 35  |  |  |  |               | 85       |  | 1-1              |               |                 | 7       | 7111     | Γ_       | 135        | П               | 一             | $\top$    | 1   | Τ  |          | $\neg$   | $\neg$   |
| 36  | 1  |  |  |               | 86       | 11   | $\sqcap$         | $\neg \vdash$ | $\vdash$        | +       | ١        |          | 136        | $\Box$          | 一             | $\top$    |   | <del>                                     </del> | $\Box$   | _        |          |
| 37  | +++  |  |  |               | 87       | +  | 1 1              |               | $\vdash \vdash$ | 17      |          |          | 137        | П               | $\dashv$      | $\top$    | $\top$  | T  | $\Box$   | 1        | T        |
| 38  | 111  | 111  |  |               | 88       |  | 1 1              | 1             |                 | 77      | 7        |          | 138        | П               | $\neg$        | $\top$    | Ť   | Г  | $\Box$   | 7        | ᅦ        |
| 39  |  | +++  | +++  |               | 89       | $\top$   | 1-1              | $\top$        | $\sqcap \vdash$ | 11      | $\neg$   |          | 139        | П               | $\top$        | $\top$    | 1   | П  | $\Box$   | 7        |          |
| 40  | $T \uparrow T$   | 777  |  |               | 90       |  | $\Box$           | $\neg \vdash$ | $\sqcap$        | $\top$  | 7        |          | 140        | П               | o             | $\top$    | $\top$  | Π  | П        |          |          |
| 41  | 7-1-1  |  |  |               | 91       |  | $\Box$           |               |                 | $\top$  |          |          | 141        |                 | $\neg$        |           | T   | 1.   |          |          |          |
| 42  |  |  |  |               | 92       | $\coprod$ $\Box$                                 |                  |               |                 |         |          |          | 142        |                 |               |           |   |  |          |          |          |
| 43  |  |  |  |               | 93       |  |                  |               |                 |         |          |          | 143        |                 |               |           | Ι   | Γ  |          | $\Box$   |          |
| 44  |  |  |  |               | 94       |  |                  |               |                 |         |          |          | 144        |                 |               | 1         | Ι   |  |          | J        |          |
| 45  |  |  |  |               | 95       |  |                  |               | $\Box \Box$     |         |          |          | 145        |                 |               |           | $oldsymbol{ol}}}}}}}}}}}}}} $ | $\prod$  |          | $\Box$   |          |
| 46  |  |  |  |               | 96       |  |                  |               |                 |         |          |          | 146        |                 |               |           | $oldsymbol{\mathbb{L}}$   |  |          |          |          |
| 47  |  |  |  |               | 97       |  | $\Box$           |               | $\Box \Box$     |         | _];;;    |          | 147        |                 | $\Box$        | $\perp$   |   |  |          | $\Box$   |          |
| 48  |  |  |  |               | 98       |  | $\coprod$        |               |                 |         |          |          | 148        |                 |               | $\perp$   | $\perp$   |  |          |          |          |
| 49  |  |  |  |               | 99       |  |                  |               | $\Box$          |         |          | <u> </u> | 149        | Ш               |               |           | $\perp$   | 匚  | Ш        |          |          |
| 50  |  |  |  | L             | 100      |  |                  | L_            |                 |         | ]!!!     |          | 150        |                 |               | 丄         |   | <u>_</u>   |          |          |          |